

PCT

10/517101

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference RLL - 266WO	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/IB 03/02186	International filing date (day/month/year) 09/06/2003	(Earliest) Priority Date (day/month/year) 07/06/2002
Applicant RANBAXY LABORATORIES LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 08 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :
 - contained in the international application in written form.
 - filed together with the international application in computer readable form.
 - furnished subsequently to this Authority in written form.
 - furnished subsequently to this Authority in computer readable form.
 - the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
 - the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. Certain claims were found unsearchable (See Box I).

3. Unity of invention is lacking (see Box II).

4. With regard to the title,

- the text is approved as submitted by the applicant.
- the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

- as suggested by the applicant.
- because the applicant failed to suggest a figure.
- because this figure better characterizes the invention.

None of the figures.

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International Application No

PCT/IB 03/02186

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K9/24 A61K9/26 A61K9/28 A61K9/52 A61K31/4965
A61K31/137

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, EMBASE, BIOSIS, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/12524 A (NYCOMED DANMARK A S ; BERTELSEN POUL (DK); SKINHOEJ ANNETTE (DK)) 18 March 1999 (1999-03-18) example 1 claim 51 page 33, line 31 – line 35 ----- US 4 713 248 A (KJORNAES KIM ET AL) 15 December 1987 (1987-12-15) cited in the application examples 2,7 abstract ----- -/-	1-9,12, 29-35, 37-39, 68-70, 73,76,77
X	-----	1-4,6-9, 12,37, 38,68, 69,73,76

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

9 September 2003

Date of mailing of the international search report

22.01.2004

Name and mailing address of the ISA

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 783 215 A (ARWIDSSON HANS ET AL) 21 July 1998 (1998-07-21) cited in the application claim 1 examples 1,5 -----	1,4-6,9, 13,14, 29,30, 32,33, 37,38, 68,69, 73,76
X,P	WO 03/041692 A (KARMA PHARM LTD ; SELA YORAM (IL)) 22 May 2003 (2003-05-22) examples 1-4 claims 1,6 -----	1,4-11, 13,14, 29,30, 32,73, 108

INTERNATIONAL SEARCH REPORT

International application No.
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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 73-77 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the composition.
2. Claims Nos.: 1, 41 (part.), 68, 73 (part.), 82 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-14, 18-40, 41-67 (part), 68-72, 73-77 (part), 101-103, 108-109, 114-117

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1, 41 (part.), 68, 73 (part.), 82

Present claims 1, 41 (part.), 68, 73 (part.) and 82 relate to an extremely large number of possible compounds and products. Support within the meaning of Article 6 PCT and disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds and products claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the formulations mentioned in the examples.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-14, 18-40, 41-67 (part.), 68-72, 73-77 (part.), 101-103, 108-109, 114-117

Multiple unit dosage form, each unit comprising at least one core, a first coating layer and an outer layer

2. claims: 15-17, 41-67 (part.), 73-77 (part.), 104-107, 110-113

Multiple unit dosage form, each unit comprising at least one core, a first coating layer, one or more additional layers and an outer layer

3. claims: 78-81, 85-100

Multiple unit dosage form, each unit comprising at least one core and a coating layer

4. claims: 82-84

Combination drug comprising two different multiple unit dosage forms

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 03/02186

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 9912524	A 18-03-1999	AT 252892 T AU 9062998 A CA 2301883 A1 CN 1277550 T DE 69819351 D1 WO 9912524 A1 EA 2806 B1 EP 1017370 A1 JP 2001515854 T NO 20001290 A US 6599529 B1		15-11-2003 29-03-1999 18-03-1999 20-12-2000 04-12-2003 18-03-1999 31-10-2002 12-07-2000 25-09-2001 28-04-2000 29-07-2003
US 4713248	A 15-12-1987	AU 570540 B2 AU 3935885 A AU 571312 B2 AU 3935985 A CA 1248023 A1 CA 1247009 A1 DE 3586600 D1 DE 3586600 T2 DE 3587274 D1 DE 3587274 T2 DK 462585 A ,B, DK 462685 A ,B, WO 8503436 A1 WO 8503437 A1 EP 0153104 A2 EP 0153105 A2 FI 853934 A ,B, HK 1000201 A1 HK 1001554 A1 IE 59287 B1 IE 59797 B1 JP 7059499 B JP 7059500 B JP 61501151 T NO 853955 A ,B, US 4716041 A		17-03-1988 27-08-1985 14-04-1988 27-08-1985 03-01-1989 20-12-1988 15-10-1992 18-02-1993 27-05-1993 09-09-1993 09-10-1985 09-10-1985 15-08-1985 15-08-1985 28-08-1985 28-08-1985 09-10-1985 06-02-1998 26-06-1998 09-02-1994 06-04-1994 28-06-1995 28-06-1995 12-06-1986 14-11-1985 29-12-1987
US 5783215	A 21-07-1998	AU 700949 B2 AU 2993695 A BR 9506026 A CA 2170526 A1 CN 1134108 A CZ 9600731 A3 EE 3280 B1 EP 0723434 A1 FI 961056 A HU 75772 A2 IL 114448 A JP 9502738 T NO 960837 A NZ 289947 A PL 313386 A1 RU 2141822 C1 WO 9601621 A1 SK 30396 A3 TR 960034 A2		14-01-1999 09-02-1996 14-10-1997 25-01-1996 23-10-1996 14-08-1996 15-08-2000 31-07-1996 06-05-1996 28-05-1997 22-09-1999 18-03-1997 29-02-1996 28-07-1998 24-06-1996 27-11-1999 25-01-1996 10-09-1997 21-06-1996

INTER **N**ATIONAL SEARCH REPORT

Information on patent family members

Int'l Application No

PCT/IB 03/02186

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 5783215	A	TW ZA	460300 B 9505545 A	21-10-2001 08-01-1996
WO 03041692	A	22-05-2003	WO 03041692 A1	22-05-2003